#### JTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 18810-81351

Total Pages in this Submission

### TO THE ASSISTANT COMMISSIONER FOR PATENTS

**Box Patent Application** Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for a

PTTG KNOCKOUT RODENT AS A MODEL TO STUDY MECHANISMS FOR VARIOUS PHYSIOLOGICAL PHENOMENA, INCLUDING DIABETES

and invented by: Shlomo Melmed and Zhiyong Wang If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information: Continuation Divisional Continuation-in-part (CIP) of prior application No.: Which is a: ☐. | Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: Which is a: ☐ Continuation Divisional ☐ Continuation-in-part (CIP) of prior application No.: Enclosed are: **Application Elements** 1 Filing fee as calculated and transmitted as described below 2. Specification having pages and including the following: Descriptive Title of the Invention b. 🗆 Cross References to Related Applications (if applicable) C. 🔲 Statement Regarding Federally-sponsored Research/Development (if applicable) d. 🗆 Reference to Microfiche Appendix (if applicable) e. ⊠ Background of the Invention f. 🔀 Brief Summary of the Invention  $\boxtimes$ Brief Description of the Drawings (if drawings filed) h. 🔀 **Detailed Description** i. 🔀 Claim(s) as Classified Below i. 🛛 Abstract of the Disclosure

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Total Pages in this Submission 55

Application Liements (Continued)			
3.	X	Dra	awing(s) (when necessary as prescribed by 35 USC 113)
	a.		Formal b. 🗵 Informal Number of Sheets7
4.		Oa	th or Declaration
	a.		Newly executed (original or copy)
	b.		Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)
10 and 10	C.		With Power of Attorney
	d.		<u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).
		Inco	ornaration By Pafarance (usable if Pay 4h is checked)
	J	Incorporation By Reference (usable if Box 4b is checked)  The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.	
-6. (11		Cor	mputer Program in Microfiche
<sup>19</sup> 7.	×	Ger	netic Sequence Submission (if applicable, all must be included)
===	a.	$\boxtimes$	Paper Copy
1,11	b.	X	Computer Readable Copy
[:-]	C.	X	Statement Verifying Identical Paper and Computer Readable Copy
			Accompanying Application Parts
8.		Ass	ignment Papers (cover sheet & documents)
9.		37 (	CFR 3.73(b) Statement (when there is an assignee)
10.		Eng	lish Translation Document (if applicable)
11.		Info	rmation Disclosure Statement/PTO-1449
12.		Prel	iminary Amendment
13.	×	Ackı	nowledgment postcard
14.	×	tificate of Mailing	
			First Class 🗵 Express Mail (Specify Label No.): EL 900687779 US

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	٠	Accompanying Application Parts (Continued)
15.		Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.	X	Small entity status is entitled to be asserted for this application
17.		Additional Enclosures (please identify below):
		Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)
18.		Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.
		Warning
		An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.
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#### Fee Calculation and Transmittal

#### **CLAIMS AS FILED** For #Filed #Allowed #Extra Rate Fee Total Claims 60 - 20 = \$360.00 40 \$9.00 Indep. Claims 5 - 3 = 2 \$42.00 \$84.00 Multiple Dependent Claims (check if applicable) X \$140.00 **BASIC FEE** \$370.00 OTHER FEE (specify purpose) \$0.00 ==== **TOTAL FILING FEE** \$954.00 1 [1

□ A check in the amount of

to cover the filing fee is enclosed.

The Commissioner is hereby authorized to charge and credit Deposit Account No.

50-1597

as described below. A duplicate copy of this sheet is enclosed.

☑ Charge the amount of

\$954.00

as filing fee.

Credit any overpayment.

☐ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.

Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance,

pursuant to 37 C.F.R. 1.311(b).

Dated: October 15, 2001

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